pto_PB0262.txt
SEQUENCE LISTING

<110> Loukola, Anu-Maria
      Penn, Sharron G.
      Rank, David R.
      Hanzel, David K.
      Casey, Graham.
      Witte, John S.

<120> Detection Methods

<130> PB0262

<140> to be assigned
<141> 2003-09-25

<150> US 60/413,583
<151> 2002-09-25

<150> US 60/491,842
<151> 2003-08-01

<160> 45

<170> PatentIn version 3.1

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<223> Alternative allele: G.

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taagcaaacc tggcatgcta gaaagtcagt ctgcggtctg tggatcacct acatcagatc   180

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actagcatga atcctatgaa attagattgg aatggatgta accgtgtata ttcataccct   120

tgtagataga tagatgggta gatagatgat agataggtaa cagatagatg acagataatg   180

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gcactccagt ctgggtgaga gtgagactca gtcttaaaaa aatatgcctt tttgaagcac   120

gtacattttg taacaaagaa ctgaagctct tattatatta ttagttttga tttaatgttt   ′180

tcagcccatc tcctttcata t   201

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tgacagggaa taagactaga ctatgccctt gaggagctca cctctgttca gggaaacagg   180

cgtggaaaca caatggtggt a   201

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tcaaaagatg cacaaggggc tgctgatctc actgctgtag cggtgctcct tatgcataga   120

cctgcccttg ctcagccact ggcctgaaag agggggcaaaa gtcatagaag gaatggcttc   180

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aaatcagtag catttctata tgccaatagt gaacaatctg gcaaaaataa aaaagtaatc   120

ccatttacaa tagccacaaa taaaactaaa tacctagaaa ttaacttaat caaagaagag   180

aaaggtctct acaatgaata c   201

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tttcaaatac ctcctctgtt ttctcttatt tcctttatga cgtctccaaa taagcttcct   120

ctaactgcca gcaagtctga tttcattggc ttcgactgtt ttcatcccaa ttagaggcag   180

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tcagatgaat atcaccagtt ggaaggctag attccacaag aggaggaatg acctggaaat   180

tggttcttta gttgtgattc t   201

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<223>  Alternative allele: T.


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aggcacagcc aagagctctg gctgtattaa tgacctaaga agtcaccaga aagtcagaag    120

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cccactgtgt gtacagcacc c                                              201



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<223>  Alternative allele: base deleted.


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aaaatacaca aattagctag gcatggtgga ctcgcctgta atctcactac acaggaggct    180

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<223>  Alternative allele: T.


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cagccagagc ctaaataggg tatggagaac ccacatgagg cgaggagggc atccatgagt    120

gggaggggtt gggtgaggtt tggctacata aaggggattg atcaaataag taaatgtatt    180

aaggatgata gaagccaggc t                                              201
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gatgtcttct tttgagaagt gtctgttcat atcctttgcc tattttttga tggggttgtt    120

tgctttttttt cttgtaaatt tgtttaagtt ctttgtagat tctggatgtt agcccttcgt    180

cagatggata gattgcaaaa a                                              201


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<220>
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<223>  Alternative allele: G.


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catgtctaca tccactttttg tctgtatgtc tatgtatcta tctatgtatc tatctagcta    120

tgtatctatc tatctatcta tctatcatct atctatctat ctatcatcta tccatctatc    180

atctatcatt tatccatcta t                                              201


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cttcccatct ttacactgga tgggttcaat tgggaggaat tactggactc tggaagttga     60

agactgtcca tataattaaa atgtacaata actacccagg tttaccttgc aagtttcaac    120

atacacaaaa ttaactttat atgactcttc aaaaacagtt tgccatcata cctaataatc    180

tggtttaaat tttaaaaact c                                              201
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<223>  Alternative allele: T.


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atgactaatt taaggcattt ctggtggata taaaggacta ccacagtcca aggccatcct   120

gactgacctc accttccagg tgcctagctc catccagctg ggctcctttt caacccaatt   180

ataactctat taatgttgtt c                                              201


<210>  16
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<212>  DNA
<213>  Homo sapiens

<220>
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<223>  Alternative allele: A.


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taatttaagg catttctggt ggatataaag gactaccaca gtccaaggcc atcctgactg   120

acctcacctt ccaggtgcct agctccatcc agctgggctc cttttcaacc caattataac   180

tctattaatg ttgttcccag c                                              201


<210>  17
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<220>
<221>  SNP
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<223>  Alternative allele: A.


<400>  17
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acctcacctt ccaggtgcct agctccatcc agctgggctc cttttcaacc caattataac   120

tctattaatg ttgttcccag ccaggcatgg tggctcatgc ctgtaatccc agcactttgg   180

gaggccgaag caggcggatc a                                              201


<210>  18
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<223>  Alternative allele: A.


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tgctgaggag tgctttactt ccaattatgt ggtcaatttt ggaataagtg cgatgtggtg     120

ctgagaagaa tgtatattct gttgatttgg ggtggagagt tctgtagatg tctattaggt     180

ccgcttggtg cagagctgag t                                               201


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<221>  SNP
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<223>  Alternative allele: C.


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atgagcaaaa agaagcccag agggcaccct gtcagcgaaa agaaccccaa tgctgctgca     120

ttctaattaa gggttctttc tttctccttg atctactgta tttctgaagg aattgggagt     180

aggaggcctt agggtctgtc                                                 200


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<220>
<221>  SNP
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<223>  Alternative allele: G.


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cagcccaatc tctgggctcc agagaaaggg agagccaatt ctctcaggct ttctgtgcag     120

gaagactagg cctgccctgc tccttaccca agcagtagtt ggctttgacc ccagagtaga     180

gctgccccat cttctggaag c                                               201


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<220>
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<223>   Alternative allele: A.


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cttttcatgg aaaatggggg cagtgactac tgtcctccat gaaagctgct ggggagaatt     120

agcctagcta ttgcaggctg ggattgctgc tttcctggtg ctatttccag ctactcaggc     180

tcacagggc agttttctac a                                                 201


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<223>   Alternative allele: T.


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agtggggctg tgcccacatg ggagtcagca tgccaggtac ctgccttctc ctccaggaag     120

gaaagcaggg accagaggtg taagggcaag agtggggtgg atggtgtgag attcctacag     180

ccttgcctgc tctctaaagg c                                               201


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<223>   Alternative allele: G.


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tggaccaatc agccaggtct gctgaccaac tacctagctc ccacctctgc tggcttcctc     120

ccgggggcag agaagatgga gaaggctagt catgtggatc ttcagggtca ggaaatggaa     180

aagggaggct ttggaccctt t                                               201


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<223>  Alternative allele: A.


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agacaaaaca  tctgcactct  ccaaatgtgg  gcttgtggct  gggtatgcag  gcttgcaatg      180

gaagggtaaa  cctgagtgag  g                                                   201


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cttttttcctg  attacctccg  ccacctctac  ctcctctgcc  acttaaaacc  tttgccattt      120

ctctgcagag  atagatttag  cctttttaatt  atgcacctta  gtactccaga  taatgacctt      180

catttcttttt  ccaattacca  t                                                  201


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<223>  Alternative allele: G.


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agagccatat  ttccttcttt  gagagaggct  ataaatggac  atgcaagtag  ggaagatatc      120

actaaattct  tttcctagca  aggagtatta  ttattaatac  cctgggaaag  gaatgcattc      180

ctggggggag  gtctataaac  a                                                   201


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<223>  Alternative allele: T.


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ccctcatctg tagttctgct tttgcccttt gccttgtgat ctttgttgga cccttatcag   180

tggttctgct tttgcccttt g                                             201


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ctatttccag ctactcaggc tcacaggggc agttttctac aatgacattt cagggttgct   180

gatgagcctc ccactcagca g                                             201


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<223>  Alternative allele: A.


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gaaggagttt cgctcttgtt gccctggctg gagtgcaatg gcatgatctt ggctcactgc   120

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gcaggcgtgt gccaccatgc c                                             201


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<223>  Alternative allele: C.


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gcattgtcaa tatttagcaa actgttttga                                         150


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<223>  Alternative allele: G.


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tccaccagat gtccacaaca atatgaagta c                                       151


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ctgatgggcc acggctcatt ggctctagga gctgggaaag ggcatcccag gaaagaagcc       120

ctagacttta gcctgagtct gggccactct aggggaccgg gagtggggtg gcgggagagg       180

acgcgcagaa tctcgacttc t                                                  201


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<223>  Alternative allele: eight A's instead of seven after base 100.
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gaaaagagag gaagaaattg agacagaaga catttcattt aaaaaaatat tccattgagc       120

tgggtttgaa atagtgcact gcctgttctc ctaatgctgt atggtgtcat gaaatctatt       180

gtttactgag tctatgagcc                                                    200


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<220>
<221>  SNP
<222>  (101)..(101)
<223>  Alternative allele: C.


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cttccttttt cttggttaat taggaaagat gagaaattat taggtagacc ttgaatacag       120

gagccctctc ctcatagtgc tgaaaagata ctgatgcatt gacctcattt caaatttgtg       180

cagtgtctta gttgatgagt g                                                  201


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<309>  2003-03-07

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catccaaaac tgtcctgggc tgcatgtggc ccacaggctg cgggttggac aagcctggcc       120

tagaaggctt tgcccccatg tattcatggg ggttggttcc tcactttatt tagttcccta       180

ccaatttgca cctcctcaaa gggactttcc c                                       211


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<220>
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<222>  (123)..(123)
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<300>
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<309>  2003-03-07

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agctcacagt gtgagtctcc acacactgtt ctgtccattc caagcaggag ctgcatgtta    180

gttctgtctg ctatccacca ttttccaatt ttg                                 213


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<213>  Homo sapiens

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tggccttgta cgtcgcgaag                                                  20


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<221>  misc_feature
<222>  (37334)..(37334)
<223>  Unknown base.


<300>
<308>  http://www.genome.utah.edu/genesnps/
<309>  2002-06-05
<313>  (1)..(37073)

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ggatccctac tcactgtctt ctctctacag aacgagatgt ctctggagtc catagaaagc     60

ccaggagcct ggctgggcac ggtggctcct gcctgtaatc ccagcacttt gggaggccga    120

ggcaggcaga tcacctgagc tcaggagttc aagaccagcc tgggcaacat ggcaaaaccc    180

catctctact aaaaatacaa aaaattagct gggcgtggtg gtgcatgcct ctaatcccag    240

ctacttggga ggctgaggca caagaattgc ttgagcccag gaggcagcag ttgcagtgag    300

ctgagattgt gccagtgcac tccagcctgg gcaacagagc aagattccat ttcaaaaaca    360
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aaaacaaaca caaacaaaca aacaaaaata gaaagcccag ggaccacctg cgtcaggttc    420

ccagccacac cttttttcttg tcctcctctg tctctggcat cttctcacag gttcctaatt   480

gtttgtggtt gcacaaattc aaaatcccag aaaaattacc acttcacacc cactcagatg    540

gctatttttt ttttgaagga agataacaag tgttgacaag aacatggaga aattggaatt    600

ctcacccatt gctggtgaga atgtaatacg gtgctgctgc tatggaaaac agcttggagt    660

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